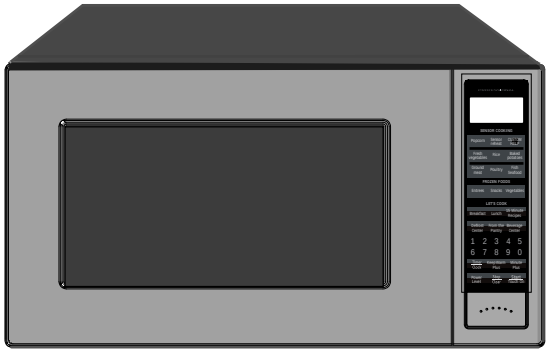
SHARP

SUPPLEMENTAL SERVICE MANUAL

S51M166R530EE



R-530ES

MICROWAVE OVEN

MODEL R-530ES

This is a supplemental Service Manual for Microwave Oven model R-530ES. This model is quite similar to the base models; R-530EK/EW (S3108R530EUW/).

This supplemental manual must be used in conjunction with the base model service manual for complete operation, service, safety and replacement parts information.

In the interest of user-safety the oven should be restored to its original condition and only parts identical to those specified should be used.

WARNING TO SERVICE PERSONNEL: Microwave ovens contain circuitry capable of producing very high voltage and current, contact with following parts may result in a severe, possibly fatal, electrical shock. (High Voltage Capacitor, High Voltage Power Transformer, Magnetron, High Voltage Rectifier Assembly, High Voltage Harness etc..)

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SHARP ELECTRONICS CORPORATION

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The contents are subject to change without notice.

Service Headquarters: Sharp Plaza, Mahwah, New Jersey, 07430-2135

PRECAUTIONS TO BE OBSERVED BEFORE AND DURING SERVICING TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

(a) Do not operate or allow the oven to be operated with the door open.
(b) Make the following safety checks on all ovens to be serviced before activating the magnetron or other microwave source, and make repairs as necessary: (1) interlock operation, (2) proper door closing, (3) seal and sealing surfaces (arcing, wear, and other damage), (4) damage to or loosening of hinges and latches, (5) evidence of dropping or abuse.
(c) Before turning on microwave power for any service test or inspection within the microwave generating compartments, check the magnetron, wave guide or transmission line, and cavity for proper alignment, integrity, and connections.
(d) Any defective or misadjusted components in the interlock, monitor, door seal, and microwave generation and transmission systems shall be repaired, replaced, or adjusted by procedures described in this manual before the oven is released to the owner.
(e) A microwave leakage check to verify compliance with the Federal Performance Standard should be performed on each oven prior to release to the owner.

BEFORE SERVICING

Before servicing an operative unit, perform a microwave emission check as per the Microwave Measurement Procedure outlined in this service manual.
If microwave emissions level is in excess of the specified limit, contact SHARP ELECTRONICS CORPORATION immediately @1-800-237-4277.

If the unit operates with the door open, service person should 1) tell the user not to operate the oven and 2) contact SHARP ELECTRONICS CORPORATION and Food and Drug Administration's Center for Devices and Radiological Health immediately.

Service personnel should inform SHARP ELECTRONICS CORPORATION of any certified unit found with emissions in excess of 4mW/cm^2. The owner of the unit should be instructed not to use the unit until the oven has been brought into compliance.

WARNING TO SERVICE PERSONNEL

Microwave ovens contain circuitry capable of producing very high voltage and current, contact with following parts may result in a severe, possibly fatal, electrical shock.

(Example)

High Voltage Capacitor, High Voltage Power Transformer, Magnetron, High Voltage Rectifier Assembly, High Voltage Harness etc..

Read the Service Manual carefully and follow all instructions.

Before Servicing

1. Disconnect the power supply cord , and then remove outer case.
2. Open the door and block it open.
3. Discharge high voltage capacitor.

WARNING: RISK OF ELECTRIC SHOCK. DISCHARGE THE HIGH-VOLTAGE CAPACITOR BEFORE SERVICING.

The high-voltage capacitor remains charged about 60 seconds after the oven has been switched off. Wait for 60 seconds and then short-circuit the connection of the high-voltage capacitor (that is the connecting lead of the high-voltage rectifier) against the chassis with the use of an insulated screwdriver.

Whenever troubleshooting is performed the power supply must be disconnected. It may, in some cases, be necessary to connect the power supply after the outer case has been removed, in this event,

1. Disconnect the power supply cord, and then remove outer case.
2. Open the door and block it open.
3. Discharge high voltage capacitor.
4. Disconnect the leads to the primary of the power transformer.
5. Ensure that the leads remain isolated from other components and oven chassis by using insulation tape.
6. After that procedure, reconnect the power supply cord.

When the testing is completed,

1. Disconnect the power supply cord, and then remove outer case.
2. Open the door and block it open.
3. Discharge high voltage capacitor.
4. Reconnect the leads to the primary of the power transformer.
5. Reinstall the outer case (cabinet).
6. Reconnect the power supply cord after the outer case is installed.
7. Run the oven and check all functions.

After repairing

1. Reconnect all leads removed from components during testing.
2. Reinstall the outer case (cabinet).
3. Reconnect the power supply cord after the outer case is installed.
4. Run the oven and check all functions.

Microwave ovens should not be run empty. To test for the presence of microwave energy within a cavity, place a cup of cold water on the oven turntable, close the door and set the power to HIGH and set the microwave timer for two (2) minutes. When the two minutes has elapsed (timer at zero) carefully check that the water is now hot. If the water remains cold carry out **Before Servicing** procedure and re-examine the connections to the component being tested.

When all service work is completed and the oven is fully assembled, the microwave power output should be checked and a microwave leakage test should be carried out.

MICROWAVE MEASUREMENT PROCEDURE

A. Requirements:

1) Microwave leakage limit (Power density limit): The power density of microwave radiation emitted by a microwave oven should not exceed 1mW/cm^2 at any point 5cm or more from the external surface of the oven, measured prior to acquisition by a purchaser, and thereafter (through the useful life of the oven), 5 mW/cm^2 at any point 5cm or more from the external surface of the oven.
2) Safety interlock switches Primary interlock relay and door sensing switch shall prevent microwave radiation emission in excess of the requirement as above mentioned, secondary interlock switch shall prevent microwave radiation emission in excess of 5 mW/cm^2 at any point 5cm or more from the external surface of the oven.

B. Preparation for testing:
Before beginning the actual measurement of leakage, proceed as follows:
1) Make sure that the actual instrument is operating normally as specified in its instruction booklet.

Important:
Survey instruments that comply with the requirement for instrumentation as prescribed by the performance standard for microwave ovens, 21 CFR 1030.10(c)(3)(i), must be used for testing.

2) Place the oven tray in the oven cavity.
3) Place the load of 275±15 ml (9.8 oz) of tap water initially at 20±5½C (68½F) in the center of the oven cavity.
   The water container shall be a low form of 600 ml (20 oz) beaker with an inside diameter of approx. 8.5 cm (3-1/2 in.) and made of an electrically nonconductive material such as glass or plastic.
   The placing of this standard load in the oven is important not only to protect the oven, but also to insure that any leakage is measured accurately.
4) Set the cooking control on Full Power Cooking Mode.
5) Close the door and select a cook cycle of several minutes. If the water begins to boil before the survey is completed, replace it with 275 ml of cool water.

C. Leakage test:

Closed-door leakage test (microwave measurement)
1) Grasp the probe of the survey instrument and hold it perpendicular to the gap between the door and the body of the oven.
2) Move the probe slowly, not faster than 1 in./sec. (2.5 cm/sec.) along the gap, watching for the maximum indication on the meter.
3) Check for leakage at the door screen, sheet metal seams and other accessible positions where the continuity of the metal has been breached (eg., around the switches, indicator, and vents).
   While testing for leakage around the door pull the door away from the front of the oven as far as is permitted by the closed latch assembly.
4) Measure carefully at the point of highest leakage and make sure that the highest leakage is no greater than 4mW/cm^2, and that the secondary interlock switch does turn the oven OFF before any door movement.

NOTE: After servicing, record data on service invoice and microwave leakage report.

SHARP

SERVICE MANUAL

MICROWAVE OVEN

R-530ES

FOREWORD

This Manual has been prepared to provide Sharp Electronics Corp. Service Personnel with Operation and Service Information for the SHARP MICROWAVE OVEN, R-530ES.

It is recommended that service personnel carefully study the entire text of this manual so that they will be qualified to render satisfactory customer service.

Check the interlock switches and the door seal carefully. Special attention should be given to avoid electrical shock and microwave radiation hazard.

WARNING

Never operate the oven until the following points are ensured:
(A) The door is tightly closed.
(B) The door brackets and hinges are not defective.
(C) The door packing is not damaged.
(D) The door is not deformed or warped.
(E) There is no other visible damage with the oven.

Servicing and repair work must be carried out only by trained service personnel.

DANGER

Certain initial parts are intentionally not grounded and present a risk of electrical shock only during servicing. Service personnel - Do not contact the following parts while the appliance is energized;
High Voltage Capacitor, Power Transformer, Magnetron, High Voltage Rectifier Assembly, High Voltage Harness;
If provided, Vent Hood, Fan assembly, Cooling Fan Motor.

All the parts marked "*" on parts list are used at voltages more than 250V.

Removal of the outer wrap gives access to voltage above 250V.

SHARP ELECTRONICS CORPORATION

SHARP PLAZA, MAHWAH,
NEW JERSEY 07430-2135

PRODUCT DESCRIPTION
GENERAL INFORMATION
OPERATION
TROUBLESHOOTING GUIDE AND TEST PROCEDURE
TOUCH CONTROL PANEL
COMPONENT REPLACEMENT AND ADJUSTMENT PROCEDURE
WIRING DIAGRAM
PARTS LIST

SPECIFICATION

ITEM	DESCRIPTION
Power Requirements	120 Volts / 13.8 Amperes 60 Hertz Single phase, 3 wire grounded
Power Output	1200 watts (IEC TEST PROCEDURE) Operating frequency of 2450MHz
Case Dimensions	Width 24" Height 13-3/8" Depth 19-1/8"
Cooking Cavity Dimensions 2.0 Cubic Feet	Width 17-3/8" Height 10-1/2" Depth 18-5/8"
Control Complement	Touch Control System Clock (1:00 - 12:59) Timer (0 - 99 min. 99 seconds) Microwave Power for Variable Cooking Repetition Rate; 100 PERCENT ..... Full power throughout the cooking time 90 PERCENT ..... approx. 90% of Full Power 80 PERCENT ..... approx. 80% of Full Power 70 PERCENT ..... approx. 70% of Full Power 60 PERCENT ..... approx. 60% of Full Power 50 PERCENT ..... approx. 50% of Full Power 40 PERCENT ..... approx. 40% of Full Power 30 PERCENT ..... approx. 30% of Full Power 20 PERCENT ..... approx. 20% of Full Power 10 PERCENT ..... approx. 10% of Full Power 0 PERCENT ..... No power throughout the cooking time Sensor Cooking pads, Breakfast pad, Lunch pad 15 Minute Recipes pad, Defrost center pad, From the pantry pad Beverage center pad, Number selection pads, Timer/Clock pad Keep Warm Plus pad, Minute plus pad, Power Level pad Stop/Clear pad, Start/Touch On pad
Oven Cavity Light	Yes
Safety Standard	UL Listed FCC Authorized DHHS Rules, CFR, Title 21, Chapter 1, Subchapter J

GENERAL INFORMATION

GROUNDING INSTRUCTIONS

This oven is equipped with a three prong grounding plug. It must be plugged into a wall receptacle that is properly installed and grounded in accordance with the National Electrical Code and local codes and ordinances. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current.

WARNING: Improper use of the grounding plug can result in a risk of electric shock.

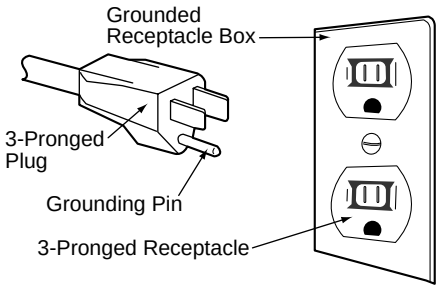
Electrical Requirements

The electrical requirements are a 120 volt 60 Hz, AC only, 15 or 20 amp. fused electrical supply. It is recommended that a separate circuit serving only this appliance be provided. When installing this appliance, observe all applicable codes and ordinances.

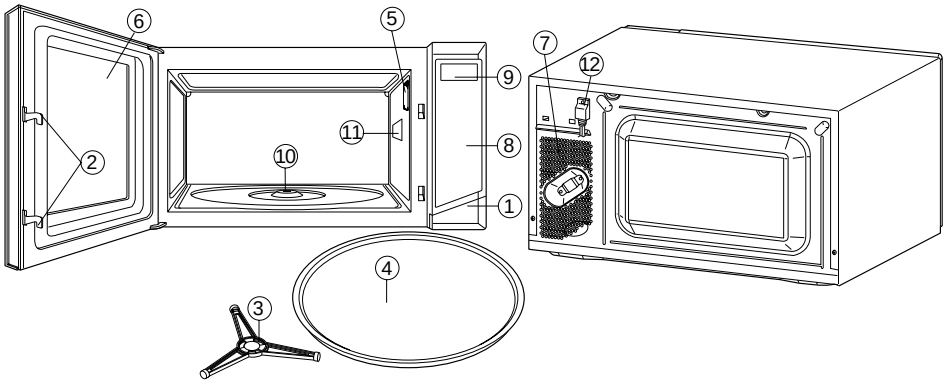
A short power-supply cord is provided to reduce risks of becoming entangled in or tripping over a longer cord.

Where a two-pronged wall-receptacle is encountered, it is the personal responsibility and obligation of the customer to contact a qualified electrician and have it replaced with a properly grounded three-pronged wall receptacle or have a grounding adapter properly grounded and polarized. If the extension cord must be used, it should be a 3-wire, 15 amp. or higher rated cord. Do not drape over a countertop or table where it can be pulled on by children or tripped over accidentally.

CAUTION: DO NOT UNDER ANY CIRCUMSTANCES CUT OR REMOVE THE ROUND GROUNDING PRONG FROM THIS PLUG.

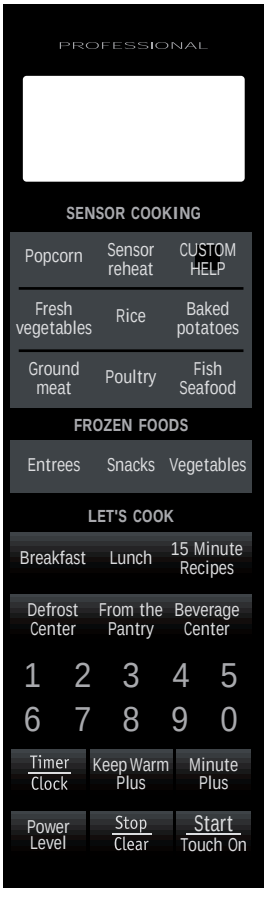


OVEN DIAGRAM



1. One touch door open button. Push to open door.
2. Door latches. The oven will not operate unless the door is securely closed.
3. Removable turntable support.
4. Removable turntable. The turntable will rotate clockwise or counterclockwise.
5. Oven lamp. It will light when oven is operating or door is opened.
6. Oven door with see-through window.
7. Ventilation openings. (Rear)
8. Auto-Touch control panel.
9. Time display: Digital display, 99 minutes 99 seconds.
10. Coupling.
11. Wave guide cover.
12. Power supply cord.

TOUCH CONTROL PANEL



NOTE:
The directed features are disabled after three minutes when the oven is not in use. These features are automatically enabled when the door is opened and closed or the STOP/ CLEAR pad is pressed.

R-530ES

OPERATION

DESCRIPTION OF OPERATING SEQUENCE

The following is a description of component functions during oven operation.

OFF CONDITION

Closing the door activates the door sensing switch and secondary interlock switch. (In this condition, the monitor switch contacts are opened.)
When oven is plugged in, 120 volts A.C. is supplied to the control unit. (Figure O-1).

1. The display will show "Welcome".

   To set any program or set the clock, you must first touch the STOP/CLEAR pad. The display will clear, and " : " will appear.

COOKING CONDITION

Program desired cooking time by touching the NUMBER pads. Program the power level by touching the POWER LEVEL pad.
When the START pad is touched, the following operations occur:

1. The contacts of relays are closed and components connected to the relays are turned on as follows. (For details, refer to Figure O-2)

RELAY	CONNECTED COMPONENTS
RY-1	oven lamp/turntable motor/fan motor
RY-2	power transformer

2. 120 volts A.C. is supplied to the primary winding of the power transformer and is converted to about 3.2 volts A.C. output on the filament winding, and approximately 2360 volts A.C. on the high voltage winding.
3. The filament winding voltage heats the magnetron filament and the H.V. winding voltage is sent to a voltage doubler circuit.
4. The microwave energy produced by the magnetron is channelled through the waveguide into the cavity feed-box, and then into the cavity where the food is placed to be cooked.
5. Upon completion of the cooking time, the power transformer, oven lamp, etc. are turned off, and the generation of microwave energy is stopped. The oven will revert to the OFF condition.
6. When the door is opened during a cook cycle, the monitor switch, door sensing switch, secondary interlock switch, relay (RY1) and primary interlock relay are activated with the following results. The circuits to the turntable motor, the cooling fan motor, and the high voltage components are de-energized, the oven lamp remains on, and the digital read-out displays the time still remaining in the cook cycle when the door was opened.
7. The monitor switch electrically monitors the operation of the secondary interlock switch and primary interlock relay and is mechanically associated with the door so that it will function in the following sequence.
   (1) When the door opens from the closed position, the primary interlock relay (RY2) and secondary interlock switch open their contacts. And contacts of the relay (RY1) remains closed. Then the monitor switch contacts close.
   (2) When the door is closed from the open position, the monitor switch contacts open first. Then the contacts of the secondary interlock switch and door sensing switch close. And contacts of the relay (RY1) open.

If the secondary interlock switch and primary interlock relay (RY2) fail with the contacts closed when the door is opened, the closing of the monitor switch contacts will form a short circuit through the monitor fuse, secondary interlock switch, relay (RY1) and primary interlock relay (RY2), causing the monitor fuse to blow.

POWER LEVEL 0% TO 100% COOKING

When Variable Cooking Power is programmed, the 120 volts A.C. is supplied to the power transformer intermittently through the contacts of relay (RY-2) which is operated by the control unit within a 32 second time base. Microwave power operation is as follows:

VARI-MODE	ON TIME	OFF TIME
100% power	32 sec.	0 sec.
approx. 90% power	30 sec.	2 sec.
approx. 80% power	26 sec.	6 sec.
approx. 70% power	24 sec.	8 sec.
approx. 60% power	22 sec.	10 sec.
approx. 50% power	18 sec.	14 sec.
approx. 40% power	16 sec.	16 sec.
approx. 30% power	12 sec.	20 sec.
approx. 20% power	8 sec.	24 sec.
approx. 10% power	6 sec.	26 sec.
0% power	0 sec.	32 sec.

Note: The ON/OFF time ratio does not correspond with the percentage of microwave power, because approx. 2 seconds are needed for heating of the magnetron filament.

SCHEMATIC
NOTE: CONDITION OF OVEN
1. DOOR CLOSED.
2. CLOCK APPEARS ON DISPLAY.

NOTE: ★ Indicates components with potential above 250 V.

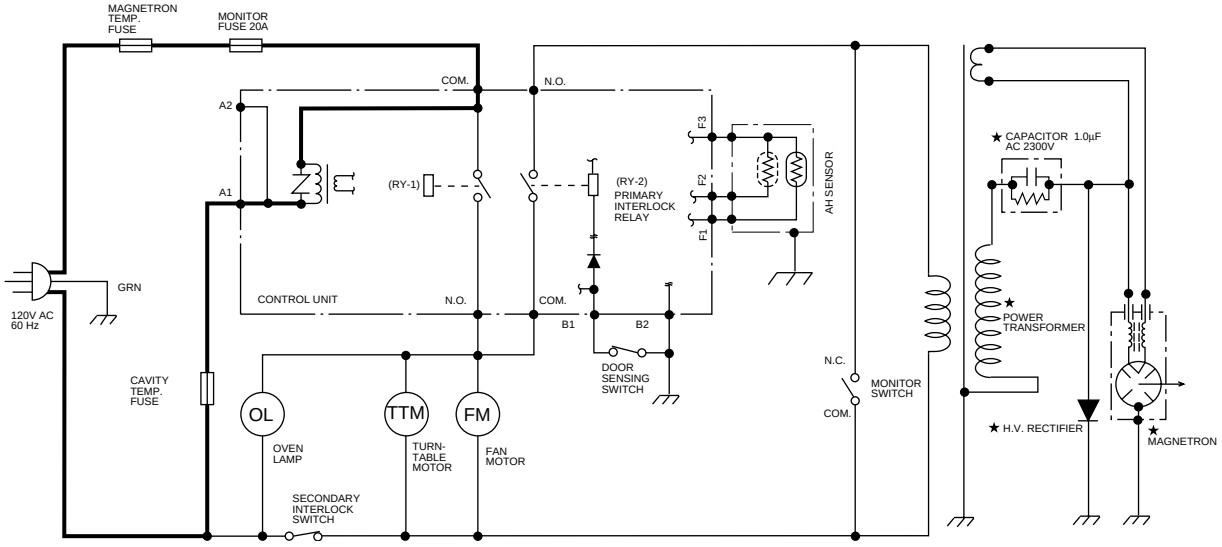


Figure O-1. Oven Schematic-Off Condition

SCHEMATIC
NOTE: CONDITION OF OVEN
1. DOOR CLOSED.
2. COOKING TIME PROGRAMMED.
3. VARIABLE COOKING CONTROL "P-HI/ 100 PERCENT".
4. "START" PAD TOUCHED.

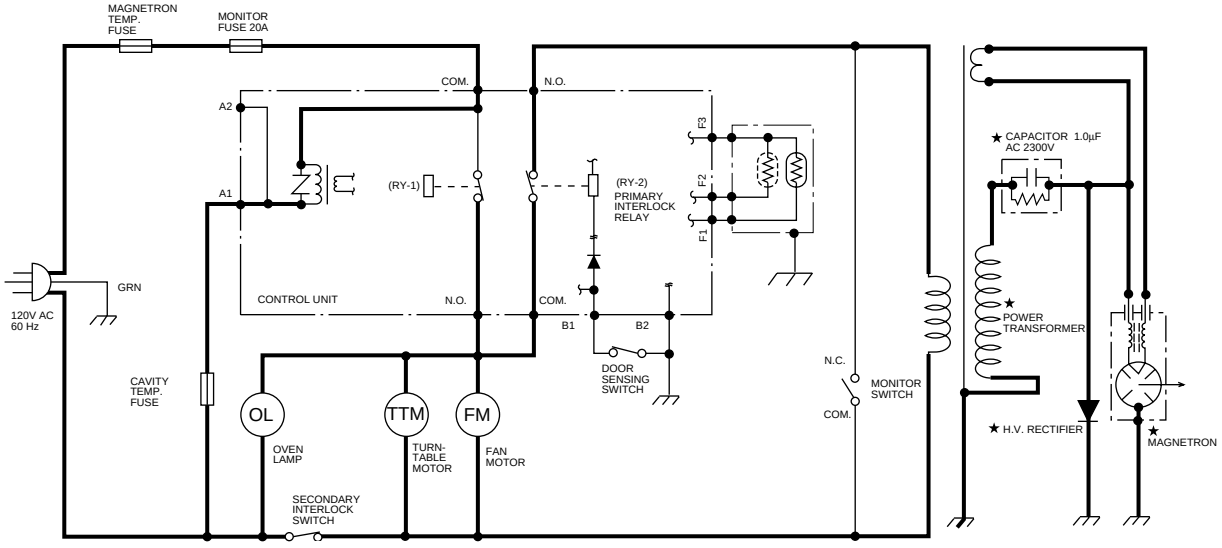


Figure O-2. Oven Schematic-Cooking Condition

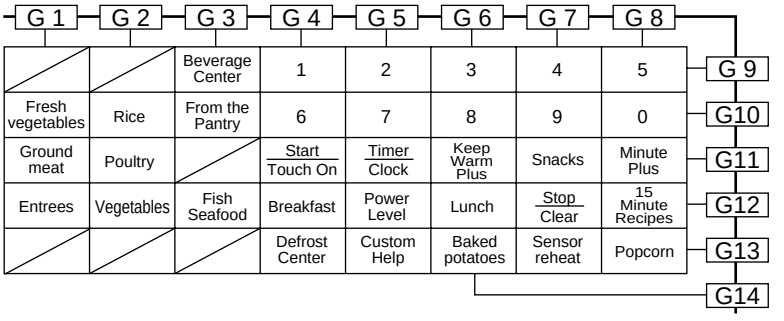
TEST PROCEDURES

PROCEDURE LETTER	COMPONENT TEST

J

KEY UNIT TEST

1. Disconnect the power supply cord, and then remove outer case.
2. Open the door and block it open.
3. Discharge high voltage capacitor.
4. If the display fails to clear when the STOP/CLEAR pad is depressed, first verify the flat ribbon cable is making good contact, verify that the door sensing switch (stop switch) operates properly; that is the contacts are closed when the door is closed and open when the door is open. If the door sensing switch (stop switch) is good, disconnect the flat ribbon cable that connects the key unit to the control unit and make sure the door sensing switch is closed (either close the door or short the door sensing switch connecter). Use the Key unit matrix indicated on the control panel schematic and place a jumper wire between the pins that correspond to the STOP/CLEAR pad making momentary contact. If the control unit responds by clearing with a beep the key unit is faulty and must be replaced. If the control unit does not respond, it is a faulty and must be replaced. If a specific pad does not respond, the above method may be used (after clearing the control unit) to determine if the control unit or key pad is at fault.
5. Reconnect all leads removed from components during testing.
6. Re-install the outer case (cabinet).
7. Reconnect the power supply cord after the outer case is installed.
8. Run the oven and check all functions.



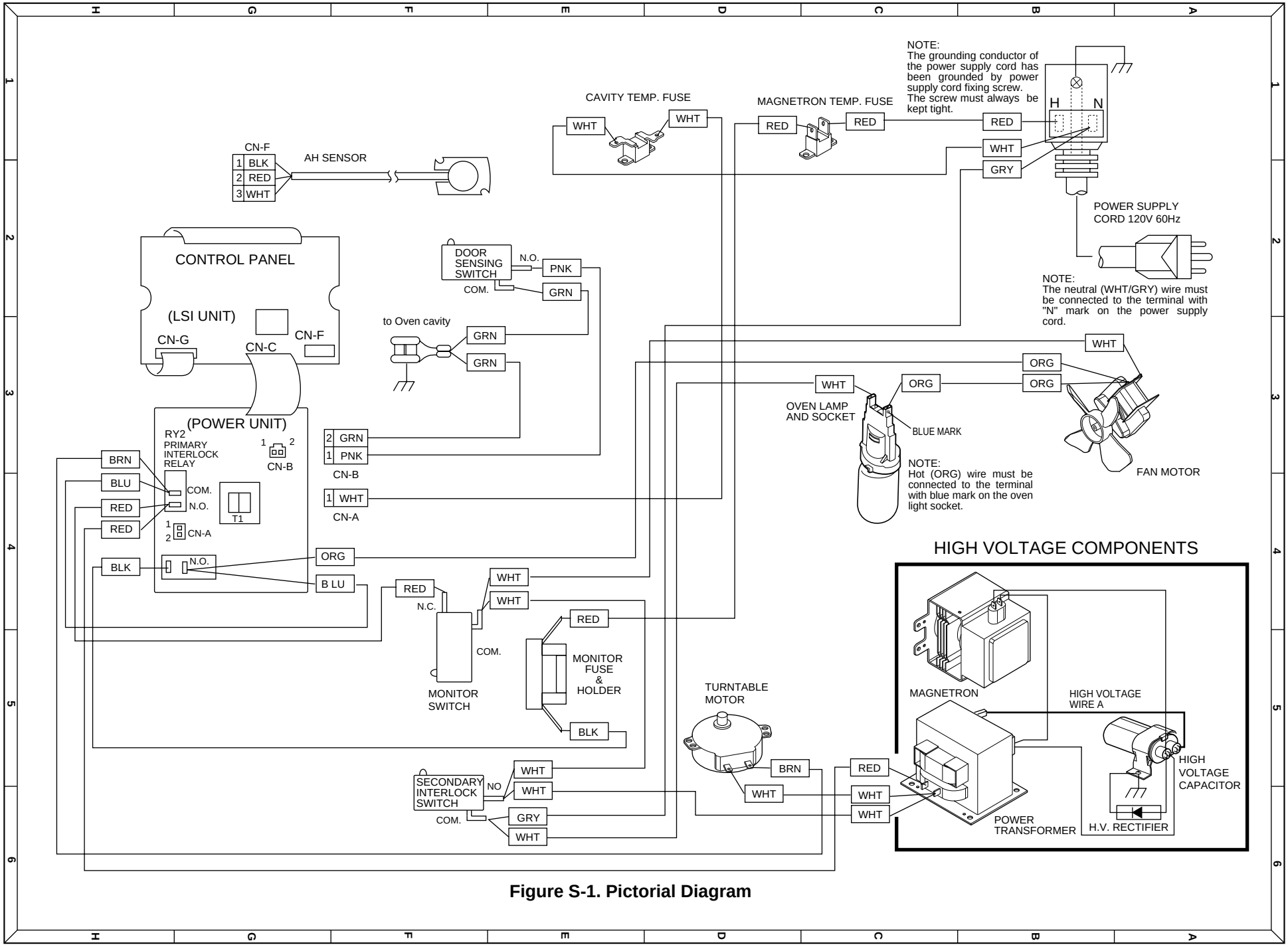


Figure S-1. Pictorial Diagram

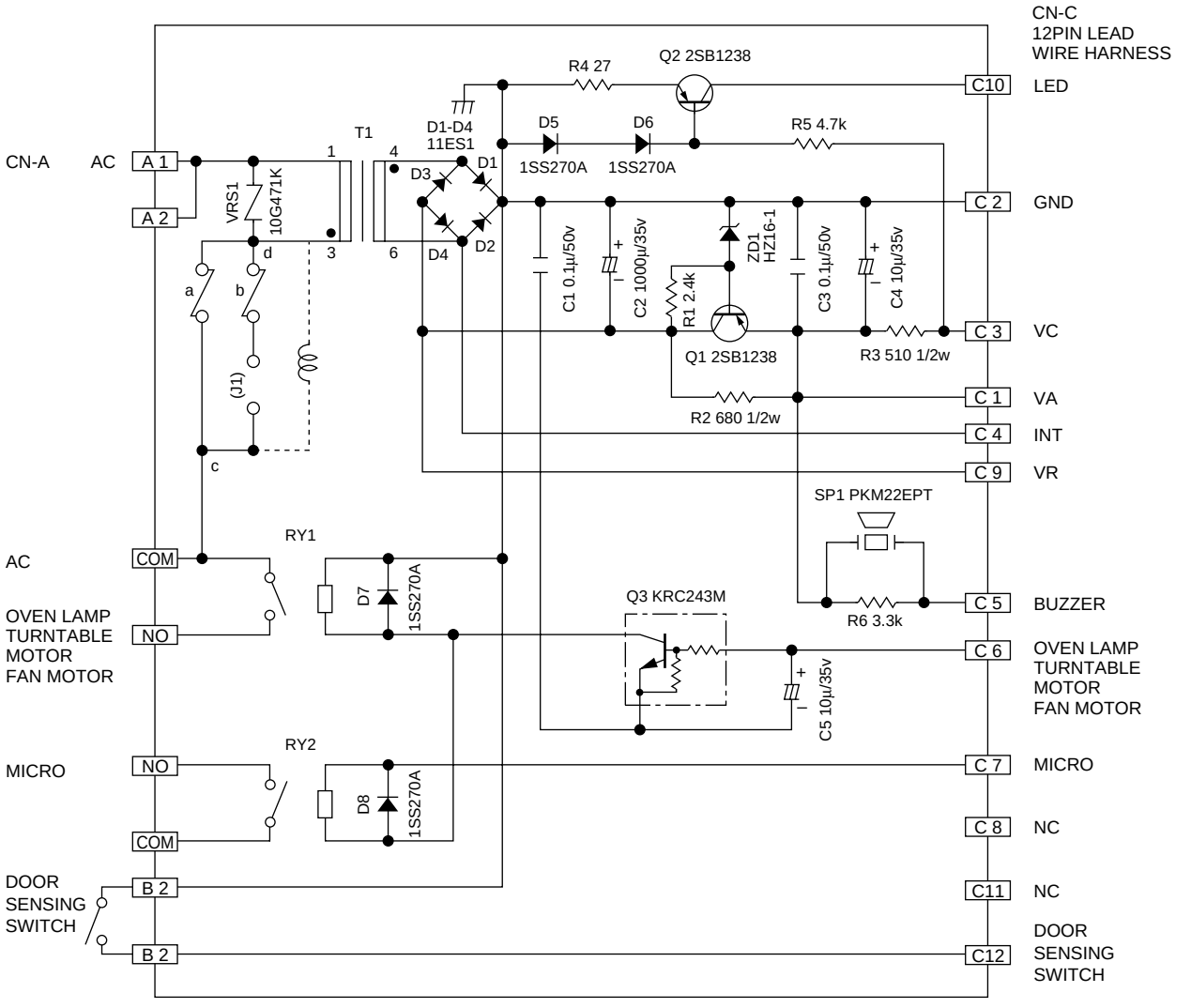


Figure S-2. Power Unit Circuit

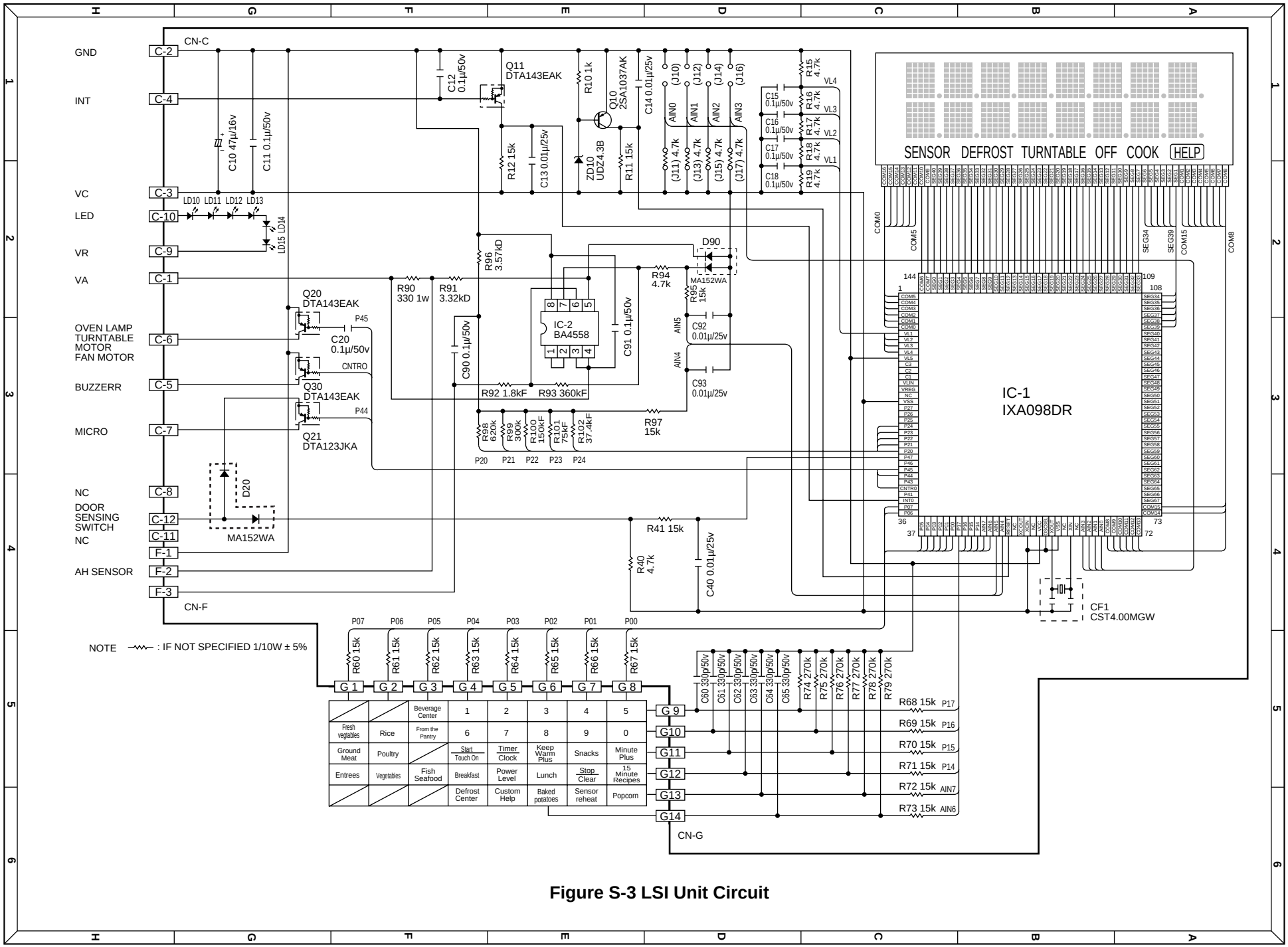


Figure S-3 LSI Unit Circuit

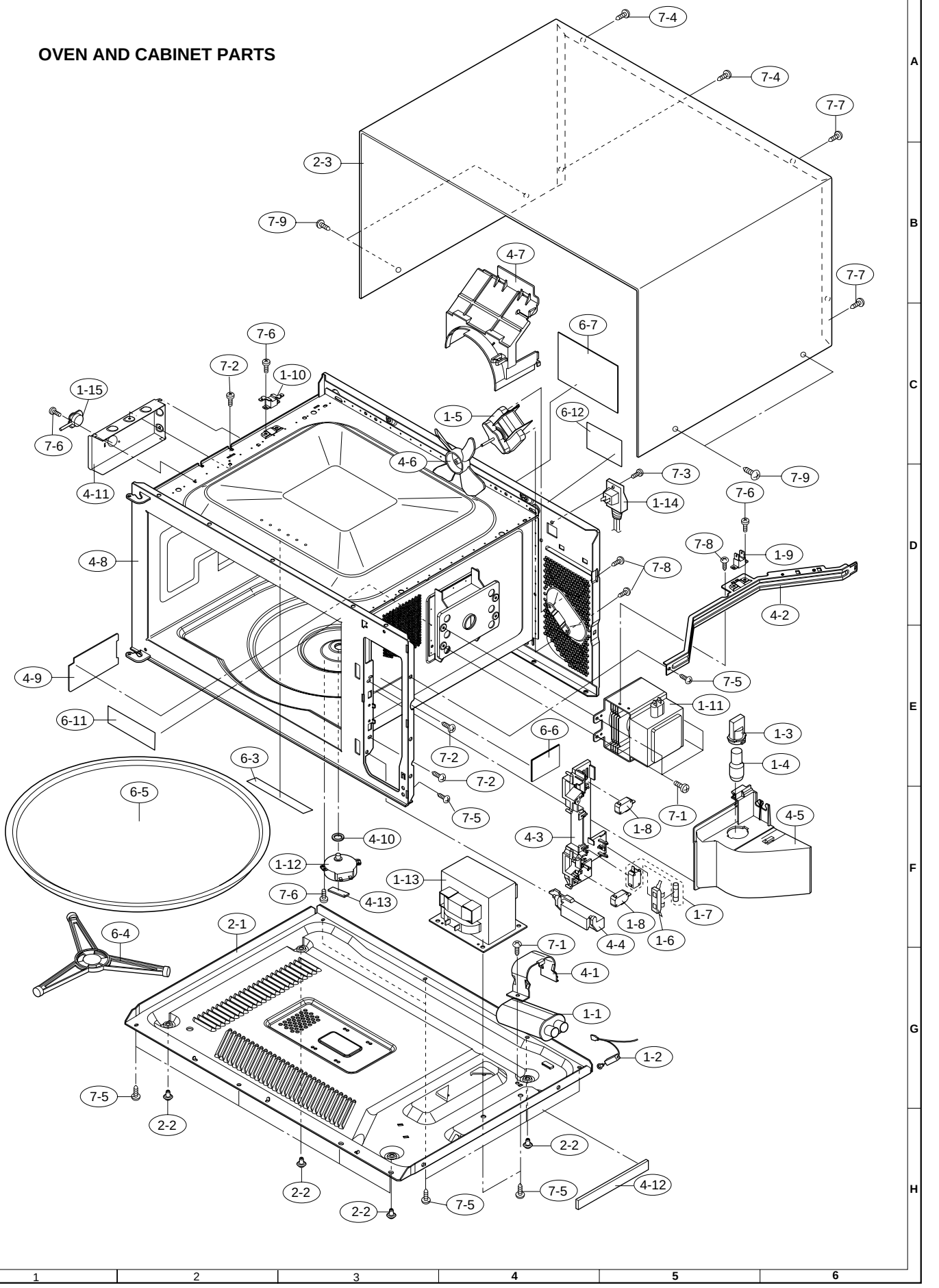
PARTS LIST

Note: The parts marked "Δ" may cause undue microwave exposure.
The parts marked "*" are used in voltage more than 250V. "§" MARK: PARTS DELIVERY SECTION.

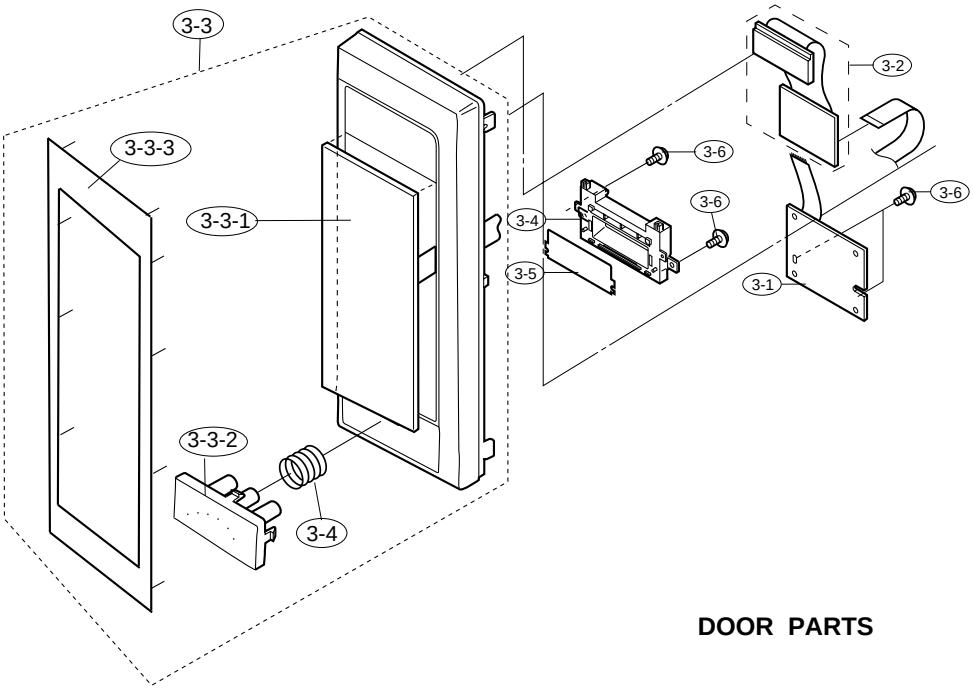
	REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE
			ELECTRIC PARTS		
*	1- 1	RC-QZB018MRE0	High voltage capacitor	1	AQ
*	1- 2	FH-DZB008MRY0	High voltage rectifier assembly	1	AM
	1- 3	QSOCLB006MRE0	Oven lamp socket	1	AE
	1- 4	RLMPTA068WRE0	Oven lamp	1	AE
	1- 5	RMOTEA346WRE0	Fan motor	1	AR
	1- 6	QFSHDB003MRE0	Fuse holder	1	AD
	1- 7	FFS-BA016/KIT	Monitor switch (V-16G-2C25) and fuse assembly (20A 250V AC)	1	AF
	1- 8	QSW-MA085WRE0	Secondary interlock switch and door sensing switch (V-5230Q)	2	AE
	1- 9	QFS-TA013WRE0	Mgnetron temperature fuse 150½C	1	AE
	1-10	QFS-TA014WRE0	Cavity temperature fuse 150½C	1	AF
*Δ	1-11	RV-MZA293WRE0	Magnetron	1	BE
	1-12	RMOTDA211WRE0	Turntable motor	1	AK
*	1-13	RTRN-B066MRE0	Power transformer	1	BA
	1-14	FACCDB003MRE0	Power supply cord	1	AM
	1-15	FDTCTA206WRKZ	AH sensor	1	AW
			CABINET PARTS		
	2- 1	GDAI-B061MRP0	Base plate	1	BC
	2- 2	GLEGPB004MRF0	Foot	4	AB
	2- 3	GCABUB087MRP0	Outer case cabinet	1	AY
			CONTROL PANEL PARTS		
	3- 1	DPWBFB094MRU0	Power unit	1	BL
	3- 1A	QCNCMA275DRE0	J 2-pin connector (CN-A)	1	AB
	3- 1B	QCNCMA275DRE0	J 2-pin connector (CN-B)	1	AB
	3- 1C	FW-VZB146MRE0	M 12P wire harness (CN-C)	1	AU
	C1	RC-KZA087DRE0	J Capacitor 0.1 uF 50V	1	AA
	C2	VCEAB31VW108M	J Capacitor 1000 uF 35V	1	AF
	C3	RC-KZA087DRE0	J Capacitor 0.1 uF 50V	1	AA
	C4-5	VCEAB31VW106M	J Capacitor 10 uF 35V	2	AA
	D1-4	VHD11ES1///-1	J Diode (11ES1)	4	AB
	D5-8	VHD1SS270A/-1	J Diode (1SS270ATA)	4	AA
	Q1-2	VS2SB1238//-3	J Transistor (2SB1238)	2	AA
	Q3	VSKRC243M//-3	J Transistor (KRC243M)	1	AB
	R1	VRD-B12EF242J	J Resistor 2.4k ohm 1/4W	1	AA
	R2	VRD-B12HF681J	J Resistor 680 ohm 1/2W	1	AA
	R3	VRD-B12HF511J	J Resistor 510 ohm 1/2W	1	AB
	R4	VRD-B12EF270J	J Resistor 27 ohm 1/4W	1	AA
	R5	VRD-B12EF472J	J Resistor 4.7k ohm 1/4W	1	AA
	R6	VRD-B12EF332J	J Resistor 3.3k ohm 1/4W	1	AA
	RY1-2	RRLY-A113DRE0	M Relay (DU24D1-1PR(M))	2	AG
	SP1	RALM-A014DRE0	J Buzzer (PKM22EPT)	1	AG
	T1	RTRNPB009MRE0	M Transformer	1	BC
	VRS1	RH-VZA032DRE0	J Varistor (10G471K)	1	AE
	VRS1	RH-VZB002MRE0	M Varistor (470ND-10D) (Interchangeable)	1	AE
	ZD1	VHEHZ161///-1	J Zener diode (HZ16-1)	1	AA
	3- 2	DPWBFC167WRKZ	LSI unit	1	BC
	3- 3	FPNLCB346MRK0	Control panel frame assembly	1	AV
	3-3-1	FUNTKB281MRE0	Key unit	1	AL
	3-3-2	JBTN-B091MRF0	Open button	1	AD
	3-3-3	HDECAB049MRP0	Decoration plate	1	AF
	3-3-4	MSPRTA050WRE0	Open button spring	1	AA
	3- 4	LHLD-B006MRF0	LCD holder	1	AF
	3- 5	PSHEPB027MRE0	LED sheet	1	AF
	3- 6	XEPSD30P10XS0	Screw; 3mm x 10mm	3	AA
			OVEN PARTS		
	4- 1	LBNDKB007MRP0	H.V. Capacitor band	1	AB
	4- 2	LANGTB049MRP0	Chassis support	1	AE
	4- 3	PHOK-B018MRF0	Latch hook	1	AF
	4- 4	MLEVPB016MRF0	Switch lever	1	AD
	4- 5	PDUC-B104MRF0	Magnetron duct	1	AG
	4- 6	NFANPB006MRE0	Fan blade	1	AC

REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE
4- 7	PDUC-B088MRF0	Fan duct	1	AC
4- 8	----------	Oven cavity (Not a replaceable part)	1	--
4- 9	PCOVPB085MRP0	Waveguide cover	1	AV
4-10	PPACGB014MRF0	Turntable motor packing	1	AA
4-11	PDUC-B106MRP0	Sensor duct	1	AG
4-12	PCUSU0464MRE0	Cushion	1	AC
4-13	PCUSGB037MRP0	Cushion	1	AA
		DOOR PARTS		
5- 1	FCOV-B132MRK0	Door frame [DMO2420B]	1	AN
5- 2	LSTPPB021MRF0	Latch head	1	AE
5- 3	MSPRTA046WRE0	Latch spring	1	AB
5 -4	FDORFB049MRT0	Door panel [DMO2420B/S]	1	AX
5- 5	PSHEPB016MRE0	Sealer film	1	AD
5- 6	GCOVHB028MRF0	Choke cover	1	
		MISCELLANEOUS		
6- 1	FW-VZB125MRE0	Stop switch harness	1	AF
6- 2	FW-VZB168MRE0	Main wire harness	1	AU
6- 3	TLABBB007MRE0	Cavity hole cover	1	AA
6- 4	FROLPB025MRK0	Turntable support	1	AN
6- 5	NTNT-A099WRE0	Turntable tray	1	AT
6- 6	TCAUAB037MRR0	Monitor caution label	1	AA
6- 7	TCAUAB033MRR0	DHHS/Screw caution label	1	AB
6- 8	TINSEB265MRR0	Operation manual	1	AD
6- 9	QW-QZB016MRE0	High voltage wire A	1	AD
6-10	TCADUB006MRR0	Recipe card	1	AC
6-11	TLAB-B040MRR0	Menu label	1	AD
6-12	TLABBB008MRE0	UL screw caution label	1	AD
		SCREWS,NUTS AND WASHERS		
7- 1	LX-BZA041WRE0	Special screw	5	AA
7- 2	LX-CZ0052WRE0	Special screw	3	AA
7- 3	XHTSD40P12RV0	Screw : 4mm x 12mm	1	AA
7- 4	LX-CZA070WRE0	Special screw (Torx tamper proof screw)	2	AB
7- 5	XOTSD40P12000	Screw : 4mm x 12mm	11	AA
7- 6	XCBSD30P08000	Screw : 3mm x 8mm	4	AA
7- 7	LX-CZA038WRE0	Special screw	2	AA
7- 8	XHTSD40P08RV0	Screw : 4mm x 8mm	3	AA
7- 9	XOTSF40P12000	Screw : 4mm x 12mm [DMO2420B/S]	2	AA
7- 9	XOTSE40P12000	Screw : 4mm x 12mm [DMO2420R]	4	AA

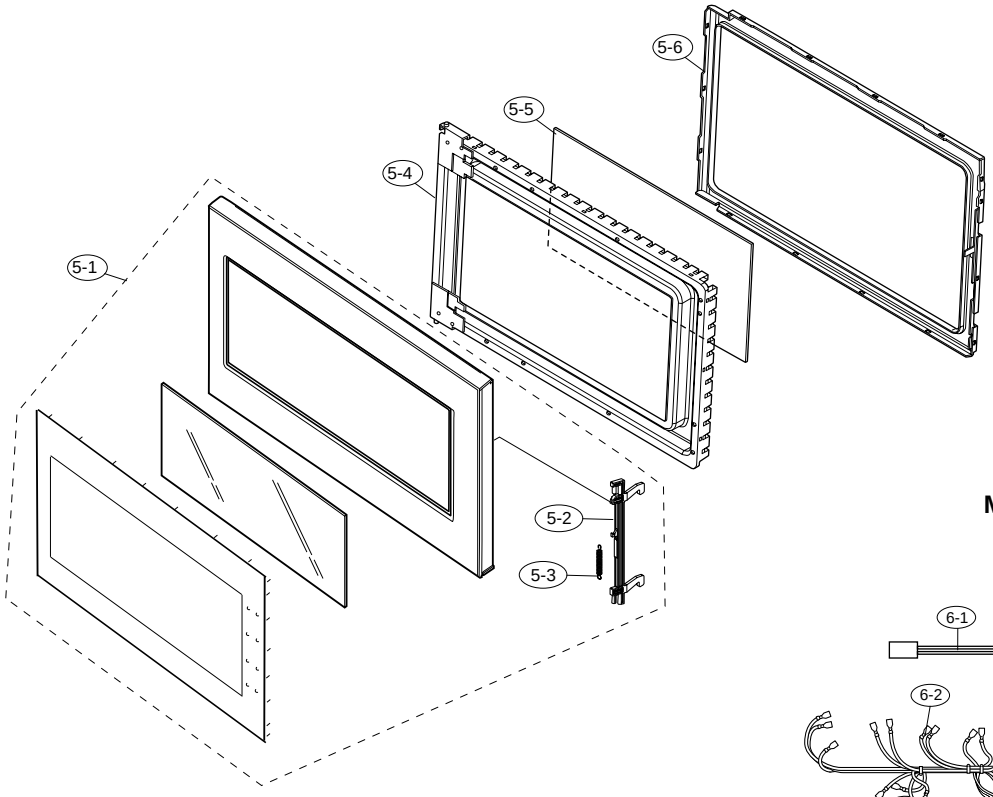
OVEN AND CABINET PARTS



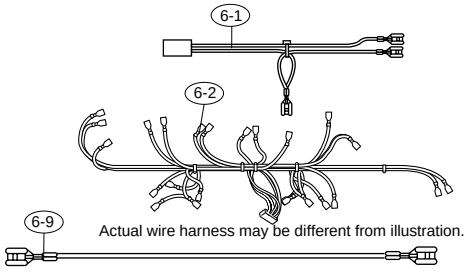
CONTROL PANEL PARTS



DOOR PARTS

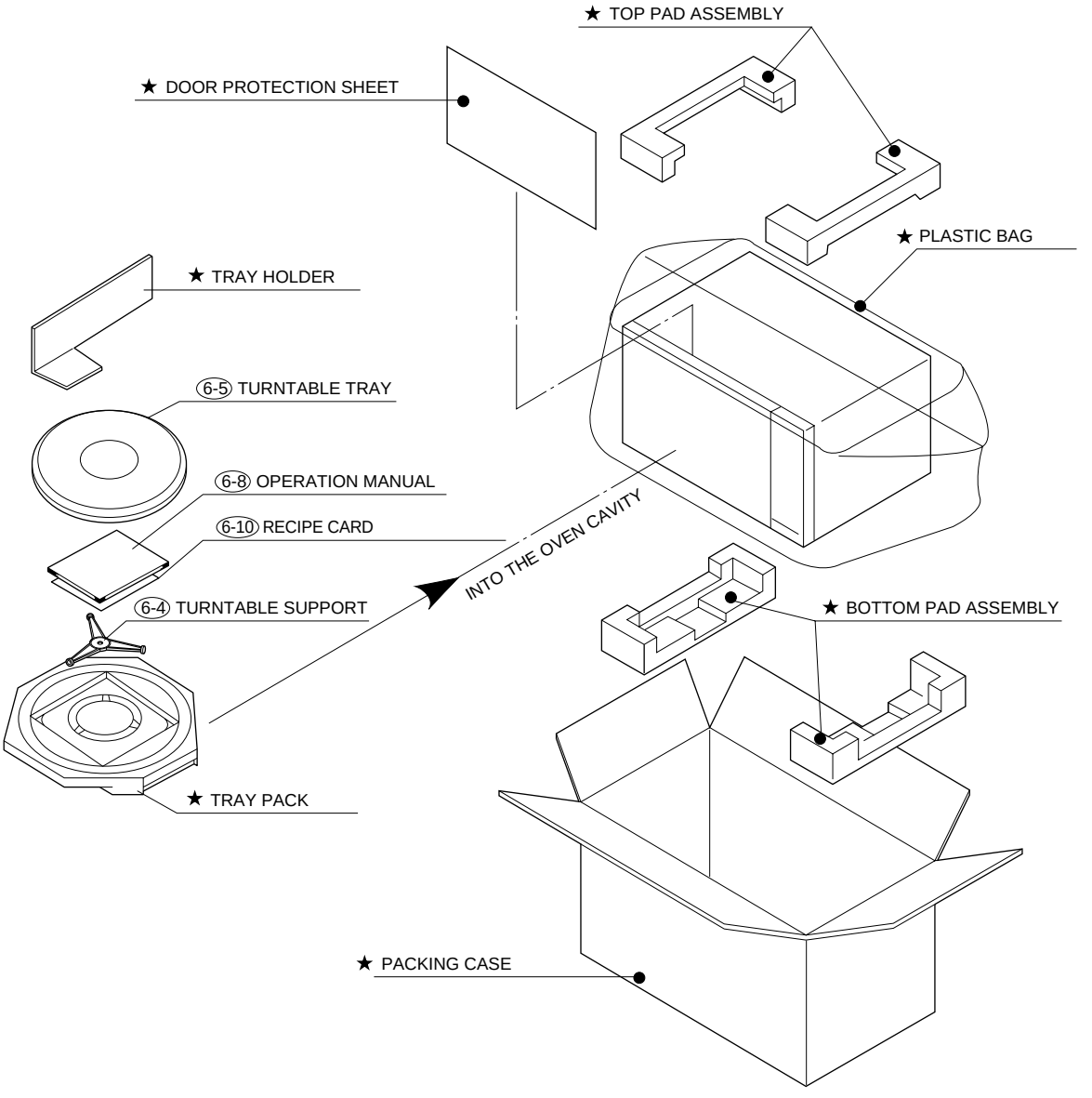


MISCELLANEOUS



Actual wire harness may be different from illustration.

PACKING AND ACCESSORIES



Notes

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